ENDF/B-V SR-86
resonance total cross section

Energy (MeV)

Cross section (barns)

total
ENDF/B-V SR-86
resonance total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-V SR-86
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-V SR-86
resonance absorption cross sections

capture
ENDF/B-V SR-86
resonance absorption cross sections

Cross section (barns) vs. Energy (MeV)

- Capture resonance peaks

- Cross section scale: $10^{-3}$ to $10^2$

- Energy scale: $10^{-3}$ to $10^{-2}$
ENDF/B-V SR-86
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-V SR-86
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(n,gma)
ENDF/B-V SR-86
Principal cross sections

![Graph showing cross sections vs energy](image-url)

- **Total**: Solid black line
- **Absorption**: Blue line
- **Elastic**: Green line

Energy (MeV) vs Cross section (barns)
ENDF/B-V SR-86
Damage

![Graph showing the relationship between energy (MeV) and damage (MeV-barns). The damage increases as the energy increases.](image)
ENDF/B-V SR-86
Inelastic levels

Energy (MeV)

Cross section (barns)

(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

Energy (MeV)
ENDF/B-V SR-86
Inelastic levels

Energy (MeV)

Cross section (barns)

0
10
20
30
40
50

*10^-3

(n,n^6)
(n,n^7)